

## Claims

1. A dynamic vibration absorber for an optical disk device (10), comprising:

5 a base chassis (12) for holding a motor is mounted on a case (11) of said optical disk device (10) through a first elastic body (14a), and

a second elastic body (14b) for supporting a counterweight (13) constituting said dynamic vibration absorber on said base chassis (12),

10 wherein said second elastic body (14b) is integrally formed with said first elastic body (14a) into a single body (14).

2. An optical disk device (10) comprising the dynamic vibration absorber according to claim 1.

3. The optical disk device (10) according to claim 2, wherein an elastic coefficient of said first elastic body (14a) is lower than an elastic coefficient of said second elastic body (14b).

15 4. A method of determining a vibration frequency of a dynamic vibration absorber for an optical disk device (10), having:

a base chassis (12) for holding a motor is mounted on a case (11) of said optical disk device (10) through a first elastic body (14a), and

20 a second elastic body (14b) for supporting a counterweight (13) constituting said dynamic vibration absorber on said base chassis (12),

wherein said second elastic body (14b) is integrally formed with said first elastic body (14a) into a single body, comprising the steps of:

25 adjusting at least one of an outer diameter and a thickness of said second elastic body (14b);

and determining a vibration frequency of said dynamic vibration absorber corresponding to the adjusted at least one of said outer diameter and the thickness of said second elastic body.